

CATIA PLM Express

CATIA - Flexible PCB Design

Electro-Mechanical Collaboration for Printed Circuit Board Design

Today's consumers require compact electronic devices with greater functionalities. To create high-quality products faster, companies need integration of realistic PCBs inside a virtual product and simplified collaboration between mechanical and electronics specialists.

Overview

Today's consumers require compact electronic devices with greater functionalities. To create high-quality products faster, companies need integration of realistic Printed Circuit Boards (PCBs) inside a virtual product and simplified collaboration between mechanical and electronics specialists.

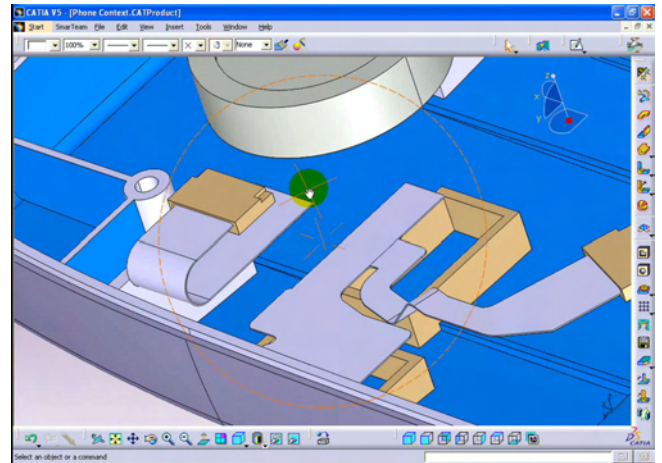
CATIA - Flexible PCB Design enables modeling of circuit boards within a virtual mock-up and facilitates collaboration with electronic CAD systems.

Customer Benefits

- Easy and intuitive creation : creating a PCB shape in 3D in a fully digital environment
- Robust Electro-Mechanical engineering collaboration through a standard intermediate data format

Key Capabilities

- Multi-body sheet metal part makes it possible to start design from several connectors concurrently
- Dedicated tools for thin parts modeling
- Easy creation of mechanical shapes of printed circuit boards in the context of the mechanical assembly
- Bi-directional interface with electrical CAD Systems based on industry standard interface (IDF) format
- Creation and management of electronic component catalogs
- Intelligent placement of components like connectors coming from a catalog, constrained in its mechanical environment



Screen capture of CATIA - Flexible PCB Design

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